

Search for 08/942,368

(FILE 'USPAT' ENTERED AT 09:31:34 ON 30 OCT 1998)

L1 428736 S SENSITIV? OR SUSCEPTIB?
L2 69149 S (MICRO ORGANISM) OR MICROORGANISM OR BACTERIA
L3 28458 S COLI OR KLEBSIELLA OR ENTEROBACTER OR PROTEUS OR MORGANE
LLA
L4 876 S AMOXICILLIN OR CLAVULANIC OR ENROFLOXACIN
L5 2730 L1 (5A) L2
L6 6 L5 (10A) L4

=> d kwic 1-6

US PAT NO: 5,523,288 [IMAGE AVAILABLE] L6: 1 of 6

DETD(163)

TABLE 14A

MICROSCAN MIC PLUS TYPE 2 ANTIBIOTIC

SUSCEPTIBILITY RANGES FOR

GRAM-NEGATIVE **BACTERIA**

MIC (.mu.g/ml)

| Antibiotic | Resistant | Intermediate | Susceptible |
|------------|-----------|--------------|-------------|
|------------|-----------|--------------|-------------|

Amoxicillin/K-

| | | | |
|---------------|------|--|-------------|
| .gtoreq.32/16 | | | |
| | 16/8 | | .ltoreq.8/4 |

Clavulanate

Ampicillin/Sulbactam

| | | | |
|---------------|------|--|-------------|
| .gtoreq.32/16 | | | |
| | 16/8 | | .ltoreq.8/4 |

US PAT NO: 4,582,829 [IMAGE AVAILABLE] L6: 2 of 6

BSUM(43)

A . . . the antibacterial effectiveness of the amoxicillin. Thus the compounds of the formula II will find use in the control of **bacteria** which are **susceptible** to a 1:1 mixture of **amoxicillin** and a compound of formula W.sup.1 --C(.dbd.O)--OH, e.g. susceptible strains of Escherichia coli and Staphylococcus aureus.

US PAT NO: 4,540,687 [IMAGE AVAILABLE] L6: 3 of 6

BSUM(42)

A . . . the antibacterial effectiveness of the amoxicillin. Thus the compounds of the formula II will find use in the control of **bacteria** which are **susceptible** to a 1:1 mixture of **amoxicillin** and a compound of formula W.sup.1 --C(.dbd.O)--OH, e.g. susceptible strains of Escherichia coli and Staphylococcus aureus.

US PAT NO: 4,462,934 [IMAGE AVAILABLE] L6: 4 of 6

BSUM(40)

Formula . . . it increases the antibacterial effectiveness of the amoxicillin. Thus, compounds of formula I will find use in the control of **bacteria** which are **susceptible** to an approximately equimolar mixture of **amoxicillin** and a beta-lactamase inhibitor, for example a 1:1 mixture of amoxicillin and sulbactam for the compound wherein each of X. . .

US PAT NO: 4,434,173 [IMAGE AVAILABLE]

L6: 5 of 6

BSUM(35)

A . . . effectiveness of the ampicillin or amoxicillin. Thus the compounds of the formula I will find use in the control of **bacteria** which are **susceptible** to a 1:1 mixture of ampicillin and sulbactam, or **amoxicillin** and sulbactam, e.g. susceptible strains of *Escherichia coli* and *Staphylococcus aureus*.

US PAT NO: 4,359,472 [IMAGE AVAILABLE]

L6: 6 of 6

BSUM(45)

A . . . to 6-(2-amino-2-phenylacetamido)penicillanic acid (ampicillin) and sulbactam. Thus, the compounds of the formula (I) will find use in the control of **bacteria** which are **susceptible** to a 1:1 mixture of **amoxicillin** and sulbactam or ampicillin and sulbactam, e.g. susceptible strains of *Escherichia coli* and *Staphylococcus aureus*.

L7 950 L1 (5A) L3

L8 37186 ANTIBIOTIC OR ANTIMICROB?

L9 99 L7 (10A) L8

L10 437728 MEDIUM OR MEDIA

L11 3 L7 (10A) L4

=> d kwic 1-3

US PAT NO: 5,814,632 [IMAGE AVAILABLE]

L11: 1 of 3

BSUM(33)

Amoxicillin . . . inhibition of cell wall synthesis, and is applied to various infectious diseases caused by *Escherichia coli*, *Haemophilus influenzae*, *haemolytic streptococcus*, **staphylococcus** and the like, which are **sensitive** to **amoxicillin**.

US PAT NO: 4,434,173 [IMAGE AVAILABLE]

L11: 2 of 3

BSUM(35)

A . . . will find use in the control of bacteria which are susceptible to a 1:1 mixture of ampicillin and sulbactam, or **amoxicillin** and sulbactam, e.g. **susceptible** strains of *Escherichia coli* and *Staphylococcus aureus*.

US PAT NO: 4,359,472 [IMAGE AVAILABLE]

L11: 3 of 3

BSUM(45)

A . . . of the formula (I) will find use in the control of bacteria which are susceptible to a 1:1 mixture of **amoxicillin** and sulbactam

or ampicillin and sulbactam, e.g. **susceptible** strains of *Escherichia coli* and *Staphylococcus aureus*.

L12 14 ENROFLOXACIN
L13 0 L3 (10A) L12
L14 0 L2 (10A) L12
L15 4 L2 (P) L12

=> d kwic 1-4

US PAT NO: 5,753,269 [IMAGE AVAILABLE] L15: 1 of 4

DETD(15)

For the purpose of comparison, the **Enrofloxacin** was also combined with clotrimazole. Clotrimazole has antifungal activity but essentially no activity on **bacteria**. The same series of pathogens were used to evaluate both antimicrobial combinations. FIC data from the study indicating response observed. . .

US PAT NO: 5,722,342 [IMAGE AVAILABLE] L15: 2 of 4

BSUM(29)

The . . . critical, and may be any of those conventionally employed for combatting bacterial infections in birds or active against human enteropathogenic **bacteria**. Preferred are antibiotics used for combatting *Salmonella* (e.g., *Salmonella typhimurium*) or *Escherichia coli* infections in birds, such as the aminoglycoside-aminocyclitols, . . . Neomycin, Paramomycin, Lividomycin, Ribostamycin, Butirosin, Streptomycin, Spectinomycin, and Apramycin. Exemplary quinolone antibiotics include, but are not limited to, Binfloxacin, Ciprofloxacin, **Enrofloxacin**, Norfloxacin, Pefloxacin, Amifloxacin, Pirofloxacin, Ofloxacin, Fleroxacin, Lemefloxacin, Danafloxacin, Difloxacin, Sarafloxacin, and Nalidixic Acid. A preferred quinolone antibiotic is **enrofloxacin**.

US PAT NO: 5,659,038 [IMAGE AVAILABLE] L15: 3 of 4

BSUM(245)

Table 3 lists MIC values of compounds according to the invention against **microorganisms** which are specific to veterinary medicine. The comparison compound shown in this case is **enrofloxacin** (ENRO), which is a therapeutic used in veterinary medicine.

US PAT NO: 5,578,604 [IMAGE AVAILABLE] L15: 4 of 4

BSUM(264)

Table 3 lists MIC values of compounds according to the invention against **microorganisms** which are specific to veterinary medicine. The comparison compound shown in this case is **enrofloxacin** (ENRO), which is a therapeutic used in veterinary medicine.

| | Type | Hits | Search Text | DBs |
|----|------|-------------|--|--------------------------|
| 1 | BRS | 19 | uropathogen | USPAT; EPO; JPO; Derwent |
| 2 | BRS | 15872 | urinary | USPAT; EPO; JPO; Derwent |
| 3 | BRS | 4810 | (INJECTION OR INFECTIVE) | USPAT; EPO; JPO; Derwent |
| 4 | BRS | 94597 | ((((INJECTION OR INFECTIVE)) OR INFECTION) | USPAT; EPO; JPO; Derwent |
| 5 | BRS | 34103 | pathogen\$2 | USPAT; EPO; JPO; Derwent |
| 6 | BRS | 95824 | microorganism | USPAT; EPO; JPO; Derwent |
| 7 | BRS | 113288 6 | medium | USPAT; EPO; JPO; Derwent |
| 8 | BRS | 345575 | selective | USPAT; EPO; JPO; Derwent |
| 9 | BRS | 73 | uropathogenic | USPAT; EPO; JPO; Derwent |
| 10 | BRS | 82 | ((UROPATHOGEN) OR (UROPATHOGENIC)) | USPAT; EPO; JPO; Derwent |
| 11 | BRS | 7777 | ((SELECTIVE) NEAR5 (MEDIUM)) | USPAT; EPO; JPO; Derwent |
| 12 | BRS | 1 | ((((UROPATHOGEN) OR (UROPATHOGENIC))) SAME ((SELECTIVE) NEAR5 (MEDIUM))) | USPAT; EPO; JPO; Derwent |
| 13 | BRS | 10 | ((((UROPATHOGEN) OR (UROPATHOGENIC))) SAME (MEDIUM)) | USPAT; EPO; JPO; Derwent |
| 14 | BRS | 2490 | ((URINARY) NEAR5 (((INJECTION OR INFECTIVE)) OR INFECTION))) | USPAT; EPO; JPO; Derwent |
| 15 | BRS | 100 | ((((URINARY) NEAR5 (((INJECTION OR INFECTIVE)) OR INFECTION)))) SAME (MEDIUM)) | USPAT; EPO; JPO; Derwent |
| 16 | BRS | 2 | ((((URINARY) NEAR5 (((INJECTION OR INFECTIVE)) OR INFECTION)))) SAME ((SELECTIVE) NEAR5 (MEDIUM))) | USPAT; EPO; JPO; Derwent |
| 17 | BRS | 20 | ((((URINARY) NEAR5 (((INJECTION OR INFECTIVE)) OR INFECTION)))) NEAR7 (MEDIUM)) | USPAT; EPO; JPO; Derwent |

| | Time Stamp | Comments | Error Definition | Errors |
|----|---------------------|----------|------------------|--------|
| 1 | 2000/06/28 09:34 | | | 0 |
| 2 | 2000/06/27 14:23 | | | 0 |
| 3 | 2000/06/27 14:24 | | | 0 |
| 4 | 2000/06/27 14:24 | | | 0 |
| 5 | 2000/06/27 14:24 | | | 0 |
| 6 | 2000/06/27 14:24 | | | 0 |
| 7 | 2000/06/28 09:35 | | | 0 |
| 8 | 2000/06/27 14:29 | | | 0 |
| 9 | 2000/06/27 14:31 | | | 0 |
| 10 | 2000/06/27 14:31 | | | 0 |
| 11 | 2000/06/27 14:32 | | | 0 |
| 12 | 2000/06/27 14:36 | | | 0 |
| 13 | 2000/06/27 14:44 | | | 0 |
| 14 | 2000/06/27 14:45 | | | 0 |
| 15 | 2000/06/27 14:45 | | | 0 |
| 16 | 2000/06/27 14:47 | | | 0 |
| 17 | 2000/06/27 14:47 | | | 0 |

| | Type | Hits | Search Text | DBs |
|----|------|-------------|--|-----------------------------|
| 18 | BRS | 20 | (((((URINARY) NEAR5 (((INJECTION OR INFECTIVE)) OR INFECTION)))) NEAR7 (MEDIUM))) NOT (((((UROPATHOGEN) OR (UROPATHOGENIC))) SAME (MEDIUM)))) | USPAT; EPO; JPO; Derwent |
| 19 | BRS | 19 | (((((URINARY) NEAR5 (((INJECTION OR INFECTIVE)) OR INFECTION)))) NEAR7 (MEDIUM))) NOT (((((URINARY) NEAR5 (((INJECTION OR INFECTIVE)) OR INFECTION)))) SAME (((SELECTIVE) NEAR5 (MEDIUM)))))) | USPAT; EPO; JPO; Derwent |
| 20 | BRS | 113288 6 | medium | USPAT; EPO; JPO; Derwent |
| 21 | BRS | 1511 | urogenital | USPAT; EPO; JPO; Derwent |
| 22 | BRS | 168072 8 | specific | USPAT; EPO; JPO; Derwent |
| 23 | BRS | 345575 | selective | USPAT; EPO; JPO; Derwent |
| 24 | BRS | 189855 1 | ((SELECTIVE) OR (SPECIFIC)) | USPAT; EPO; JPO; Derwent |
| 25 | BRS | 23284 | (((((SELECTIVE) OR (SPECIFIC))) NEAR5 (MEDIUM))) | USPAT; EPO; JPO; Derwent |
| 26 | BRS | 1 | ((UROGENITAL) SAME (((SELECTIVE) OR (SPECIFIC))) NEAR5 (MEDIUM))) | USPAT; EPO; JPO; Derwent |
| 27 | BRS | 9 | abdon.in. | USPAT; EPO; JPO; Derwent |
| 28 | BRS | 82 | uropathogen\$7 | USPAT; EPO; JPO; Derwent |
| 29 | BRS | 236 | bacteriuria | USPAT; EPO; JPO; Derwent |
| 30 | BRS | 1 | ((UROPATHOGEN\$7) SAME (((SELECTIVE) OR (SPECIFIC))) NEAR5 (MEDIUM))) | USPAT; EPO; JPO; Derwent |
| 31 | BRS | 0 | (BACTERIURIA) same (((SELECTIVE) OR (SPECIFIC))) NEAR5 (MEDIUM)) | USPAT; EPO; JPO; Derwent |
| 32 | BRS | 35 | ((BACTERIURIA) AND (((SELECTIVE) OR (SPECIFIC))) NEAR5 (MEDIUM))) | USPAT; EPO; JPO; Derwent |

| | Time Stamp | Comments | Error Definition | Errors |
|----|---------------------|----------|---------------------|--------|
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| 32 | 2000/06/28 09:59 | | | 0 |